

UNITED STATES PATENT OFFICE.

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SWING.

SPECIFICATION forming part of Letters Patent No. 721,339, dated February 24, 1903.

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To all whom it may concern:

Be it known that I, DARIUS B. SPEER, a citizen of the United States, residing at Bluegrass, in the county of Scott and State of Iowa, have invented a new and useful Swing, of which the following is a specification.

The invention relates to improvements in swings.

The object of the present invention is to improve the construction of swings and to provide a simple, inexpensive, and efficient one of great strength and durability designed especially for use on a porch or veranda and adapted to be readily operated and capable when desired to be arranged out of the way against the wall in position for affording a seat thereat.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a swing constructed in accordance with this invention and shown in operative position in full lines and arranged out of the way in dotted lines. Fig. 2 is a vertical sectional view of the lower portion of the swing. Figs. 3 and 4 are detail views illustrating the manner of supporting the ends of the pivoted top bar.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 and 2 designate supporting-bars arranged in pairs at each side of the swing and provided at their upper ends with loops 3, which are linked into suitable eyes 4, as clearly shown in Fig. 1 of the drawings. The loops consist of approximately U-shaped straps or pieces receiving the upper ends of the bars and secured to the same at the front and rear edges thereof, and the eyes depend from a movable top bar 5, which is adapted to be arranged, as shown in full lines in Fig. 1, for permitting the swing to oscillate longitudinally of the porch and which is adapted to be swung around adjacent to the wall to arrange to swing against the same, as illustrated in dotted lines in Fig. 1 of the drawings. The top bar is pivoted by a pin 6 or other suitable fastening device in a bracket 7, which

is approximately L-shaped in vertical section and which consists of an approximately quadrant-shaped plate provided at its upper face with a rib 8, which offsets the plate from the top of the porch. The top bar is pivoted adjacent to one of its edges, as clearly shown in Fig. 3, and the pivoted end is recessed or cut away to form a shoulder 9, which is adapted to abut against the bracket when arranged as shown in dotted lines in Fig. 3. When the swing is arranged as shown in full lines in Fig. 1, the free end of the top bar, which is cut at an angle, is received within a bracket 10, approximately L-shaped in cross-section and having an angularly-disposed interior wall formed by its top rib or portion. The angularly-disposed wall of the bracket or support 10 forms a stop for limiting the swing of the top bar, which is adapted to be wedged in position. When the swing is arranged as shown in dotted lines in Fig. 1, the free end of the top bar is supported by a bracket 11, secured to the top or ceiling of the porch and arranged adjacent to the wall. The bracket 11 is constructed similar to the bracket 10, and it receives the free end of the bar when the swing is arranged against the wall.

The lower ends of the bars are pivoted by transverse rods 13 and 14 to side bars 15 of a platform 16, which extends outward in advance of a seat 17 and which remains in a horizontal position. The seat 17, which may be of any desired construction, is pivotally connected by rods 18 and 19 to the bars, which are also connected by rods 20 and 21. The occupant by pressing downward on the platform oscillates the swing, and the said platform forms a lever by means of which the swing may be readily operated.

It will be seen that the swing is simple and comparatively inexpensive in construction, that it is easily operated, and that when not in use as a swing it is adapted to be arranged against the wall to form a seat. The swing may also be suspended within a suitable frame to enable it to be used as a lawn-swing, and it may be made of any desired size to accommodate one or more persons.

Should it be desired to lighten the construction of the swing, the upper portions of the supporting-bars may be removed, and cords, light rods, or similar devices may be employed